

CMAX-D-CPUSEV53



Low PIM Directional In-building Antenna, 698–960 MHz, 1710–2700 MHz

OBSOLETE

This product was discontinued on: July 30, 2022

Replaced By:

CMAX-D-43-V53

Low PIM Directional In-building Antenna, 698–960 MHz, 1710–2700 MHz, 4.3-10

Product Classification

Product Type In-building antenna

General Specifications

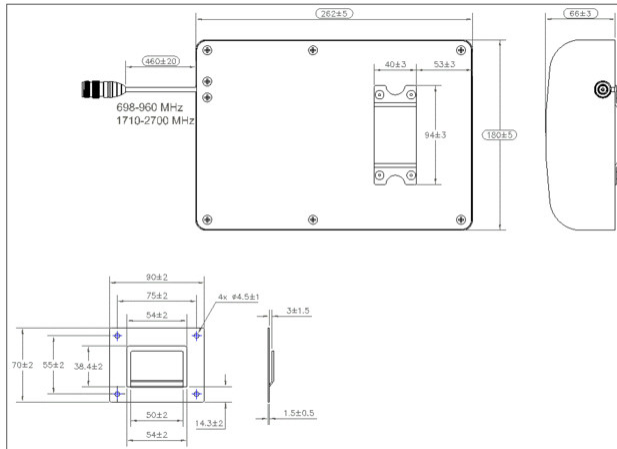
Application	Indoor
Antenna Type	Directional
Antenna Array Characteristic	SISO
Polarization	Vertical
Color	White (RAL 9016)
Mounting	4-hole wall mounting plate and hardware (included)
Number of Ports	1
Pigtail Cable	670-141SXE, plenum rated
Radome Material	ABS
RF Connector Interface	N Female

Dimensions

Width	180 mm 7.087 in
Depth	62 mm 2.441 in
Length	262 mm 10.315 in
Pigtail Length	420 mm 16.535 in

CMAX-D-CPUSEV53

Outline Drawing



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1710 – 2700 MHz 698 – 960 MHz
Electrical Note	Values typical, unless otherwise stated

Electrical Specifications

Frequency Band, MHz	698–800	800–960	1695–1880	1850–1990	1920–2180	2200–2700	2300–2360
Gain, dBi	5.5	6.2	7.3	7.3	7.4	7.6	7.9
Beamwidth, Horizontal, degrees	98	90	73	76	76	76	73
Beamwidth, Vertical, degrees	76	60	60	60	60	57	58
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	50	50	50	50	50	50	50

Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%

Packaging and Weights

Width, packed	185 mm 7.283 in
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CMAX-D-CPUSEV53

Depth, packed	85 mm 3.346 in
Length, packed	320 mm 12.598 in
Packaging quantity	1
Weight, gross	1 kg 2.205 lb
Weight, net	0.9 kg 1.984 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

